SHIELD_XENSIV_A XENSIV™ sensor shield release notes

About this document

Scope and purpose

Thank you for your interest in the SHIELD_XENSIV_A XENSIV™ sensor shield. This document lists kit contents, installation requirements, kit documentation, and limitations.

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1 Release contents

1.1 Kit contents

The SHIELD_XENSIV_A XENSIV™ sensor shield includes the following:

- XENSIV™ sensor shield
- Quick start guide

2 Tool information

2.1 Software and tools

Code examples for this shield require ModusToolbox™ software version 3.1 or later. This is available on the ModusToolbox™ software webpage. Refer to the kit guide for more details.

2.2 Code examples and kit collateral

The kit webpage contains both the documents and hardware files. Additionally, the code examples are available in the Infineon GitHub repository.

2.3 Installation

All the required software installation instructions are provided in the kit guide, which is available on the kit webpage.

2.4 Kit revision

This is the initial revision (Rev. **) of the SHIELD_XENSIV_A XENSIV™ sensor shield.

2.5 Known issues and limitations

- **Power consumption limitation**

  XENSIV™ sensor shield consumes higher power when both, the PAS CO2 sensor and RADAR sensor (configured in continuous wave mode) are operated simultaneously. This can exceed the base board's power capabilities, leading to issues with sensor operation and system performance

  Workaround:

  - Consider using the external USB power supply (from **J11** USB connector) option provided on the XENSIV™ sensor shield, if simultaneous operation is required.

2.6 Documentation

The following kit documents are available on the kit webpage.

- SHIELD_XENSIV_A XENSIV™ sensor shield kit guide
- SHIELD_XENSIV_A XENSIV™ sensor shield quick start guide
- SHIELD_XENSIV_A XENSIV™ sensor shield release notes

2.7 Technical support

For assistance or product-related queries, contact Infineon Support or post your queries on the Infineon Developer Community.

2.8 Additional information

- For more information about the ModusToolbox™ software functionality and releases, see the ModusToolbox™ software webpage
- For a list of trainings on ModusToolbox™ software, see the ModusToolbox™ Software Training webapge
- For more information about the XENSIV™ PAS CO2 sensor portfolio and technical documentation, see CO2 sensors

2 Tool information

- For more information about the XENSIV™ pressure sensor portfolio and technical documentation, see Pressure sensors for IoT
- For more information about theXENSIV™ 60 GHz RADAR sensor product portfolio and technical documentation, see XENSIV™ 60 GHz radar MMICs
- For more information about the XENSIV™ MEMS microphone portfolio and technical documentation, see XENSIV™ MEMS microphones for consumer electronics
- For more information about the OPTIGA™ embedded security solutions and technical documentation, see OPTIGA™ embedded security solutions

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